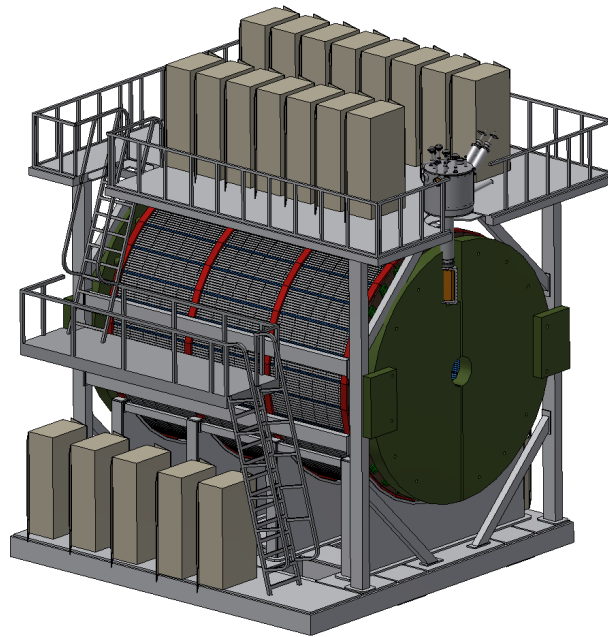
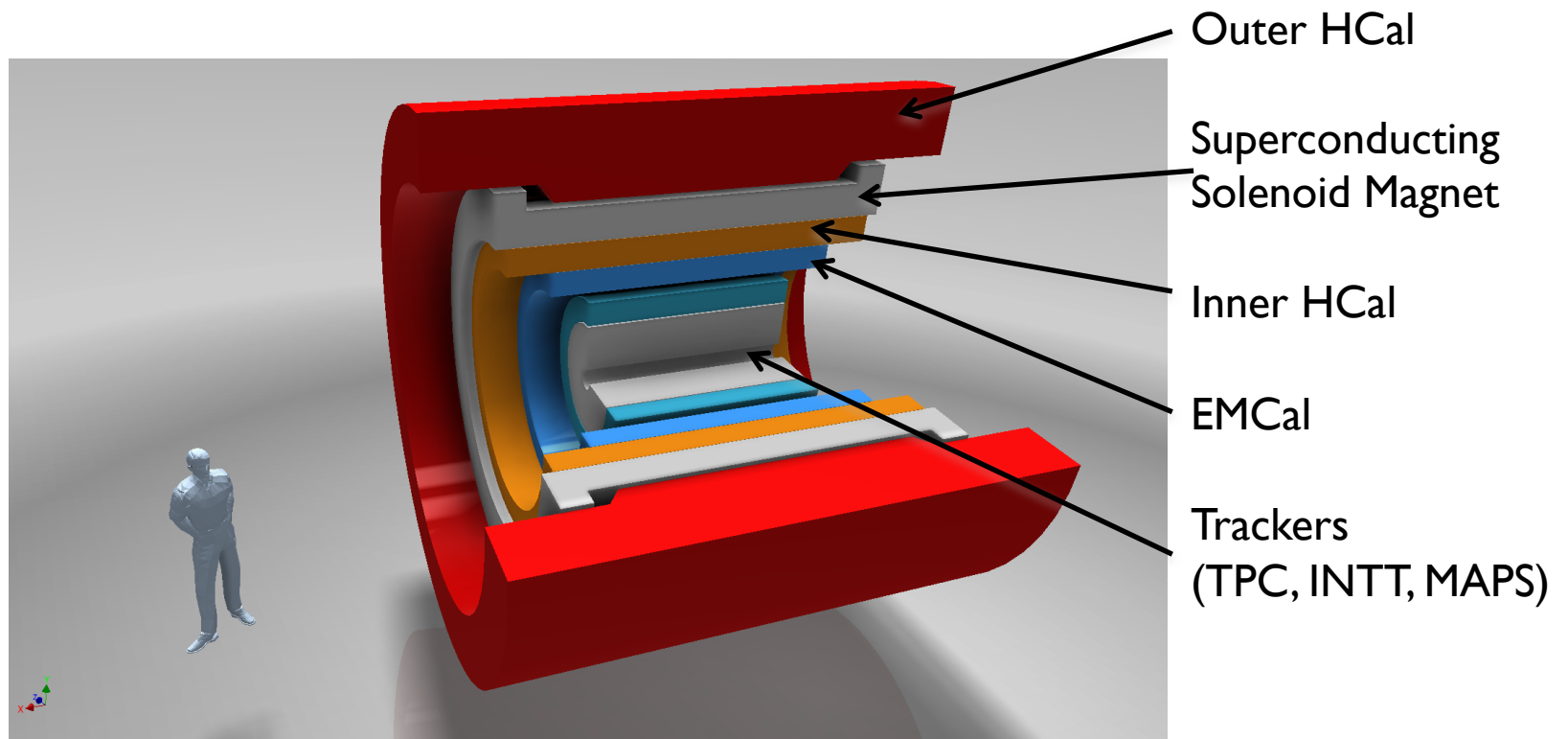


sPHENIX Outer HCal Design Concept

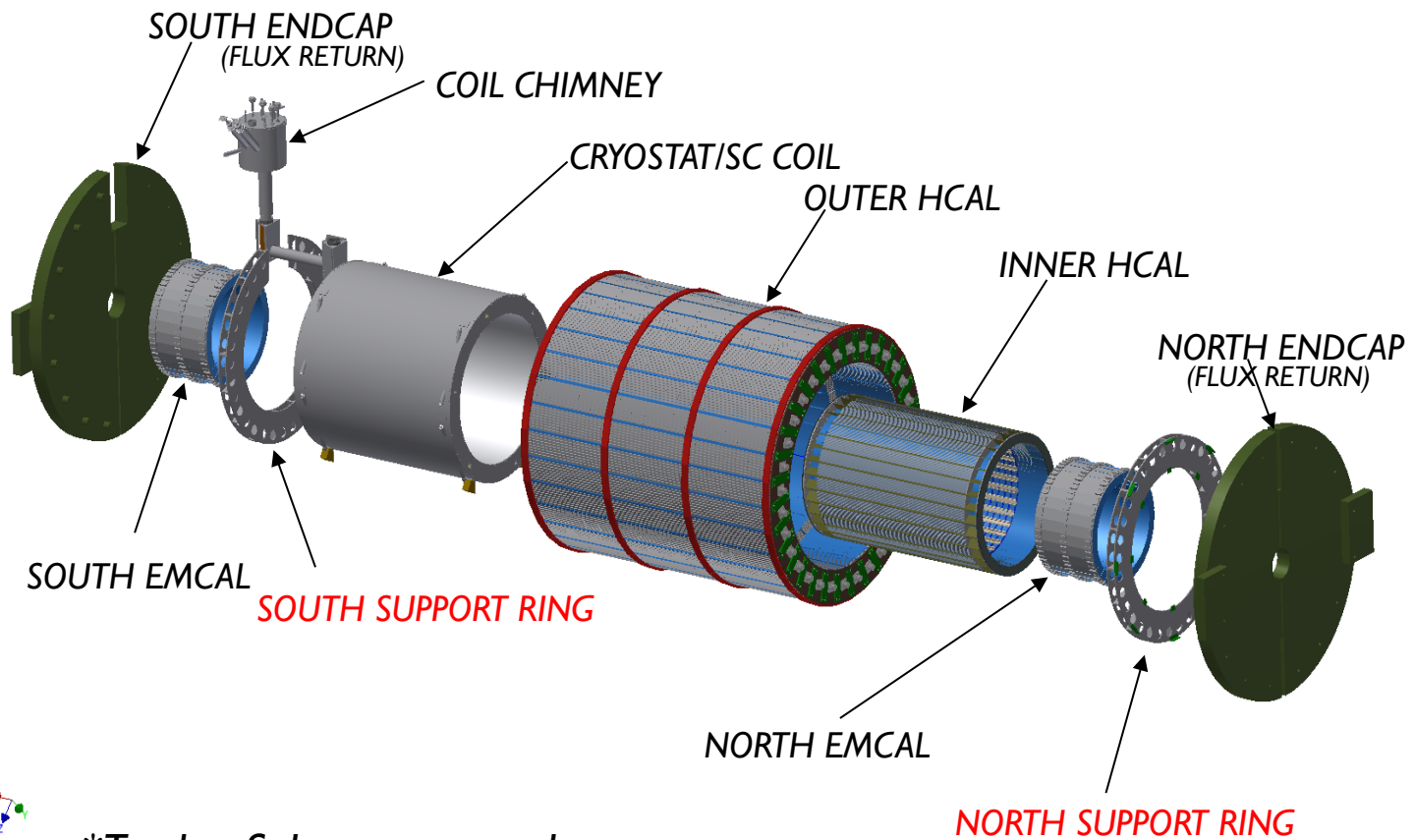


D. Lynch 10/12/16

Outer HCal in sPHENIX

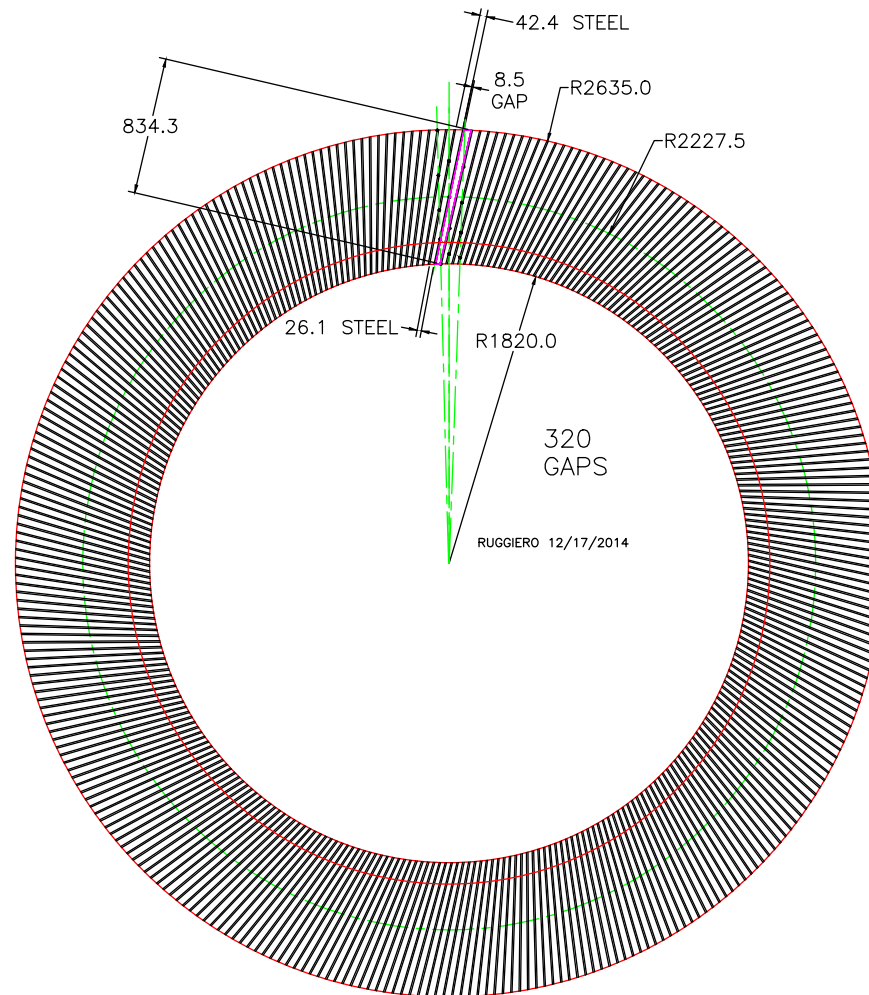


SPHENIX EXPLODED VIEW



*Tracker Subsystems not shown

Outer HCal Steel Alignment and distribution



NOTES:

1. All dimensions are in inches(mm).
2. Dimensions & tolerances in brackets are for reference only.

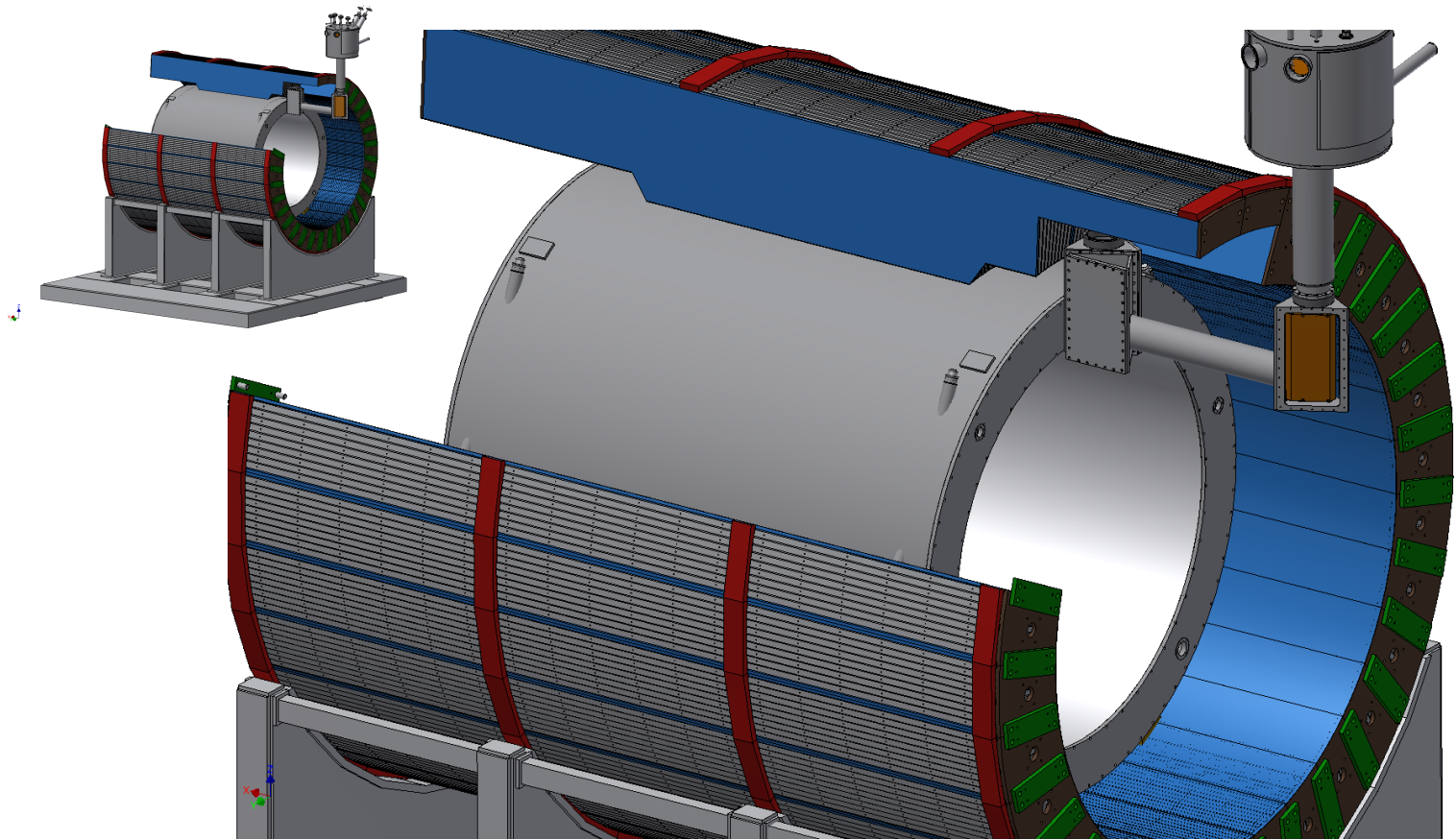
SECTION D-D
SCALE 1/2

PRELIMINARY
FOR QUOTATION PURPOSES ONLY

REV	DESCRIPTION	DATE	APPROVED
1	Issue for quotation	10/10/2019	PHENIX

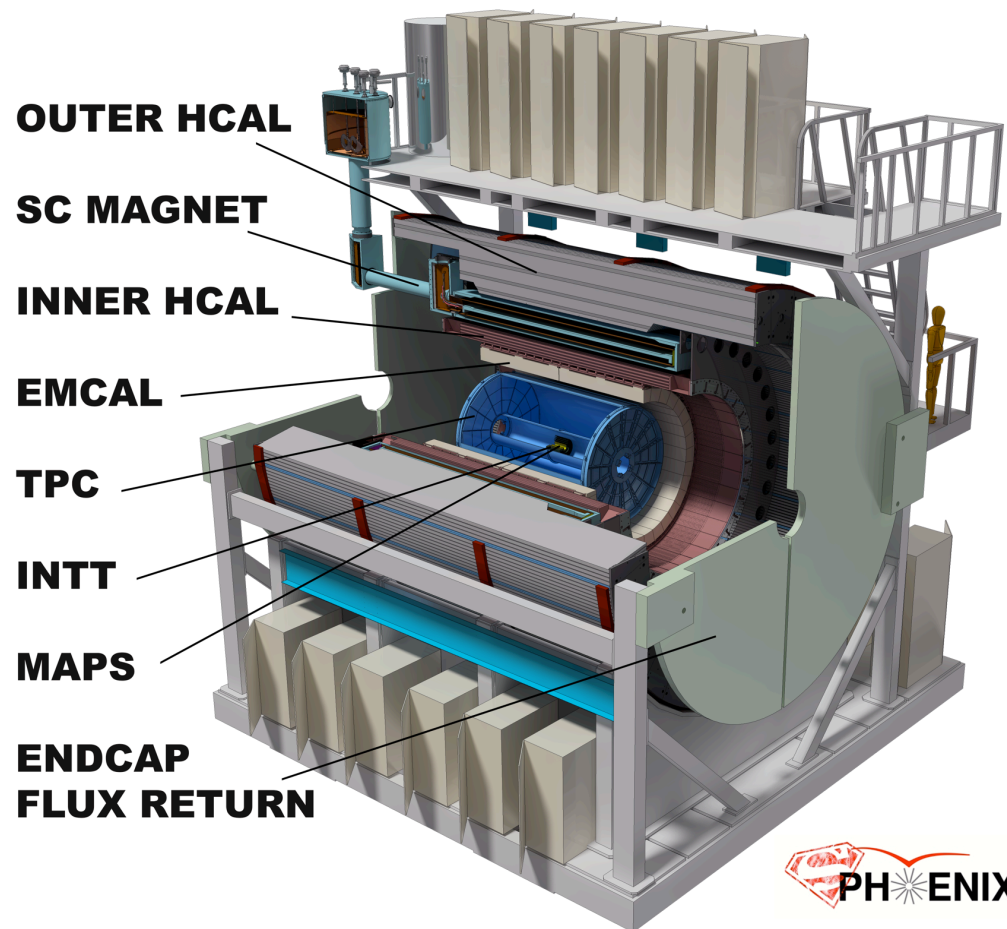
PHENIX
SPT2-300-019

sPHENIX Outer HCal with Magnet Installed



Outer HCal steel absorbers serve as magnet flux return.

Full sPHENIX Assembly Cutaway



Outer HCal also serves as structural support for the magnet and all detector subsystems. Outer HCal is support by carriage cradle, Flux return end caps (pole tips), rack platforms and racks are supported separately from carriage.